HALBLEITER MATERIAL

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Technical Data Sheet

Germanium Sputtering Target

Product ID:	**3200ST001 - 3200ST008**		
Formula:	Ge	**Molecular weight:**	72.64 g/mol
CAS No.:	7440-56-4	**EINECS No.:**	231-164-3
Color:	Metallic-gray		
Description:	Our germanium sputtering targets feature a purity of ≥99.999% (5N) and can be customized in various sizes according to customer requirements. They offer ultra-high purity, excellent physical and chemical properties, and stable sputtering performance, making them ideal for high-end thin film deposition and semiconductor applications.		
Application:	Semiconductors, infrared optics, solar cells, optical coatings, data storage, etc.		
Product Image:			

1. Sizes

Product ID	Formula	Size
3200ST001	Ge (99.999%)	Ø 25.4 mm x 3.175 mm
3200ST002	Ge (99.999%)	Ø 25.4 mm x 6.35 mm
3200ST003	Ge (99.999%)	Ø 50.8 mm x 3.175 mm
3200ST004	Ge (99.999%)	Ø 50.8 mm x 6.35 mm
3200ST005	Ge (99.999%)	Ø 76.2 mm x 3.175 mm
3200ST006	Ge (99.999%)	Ø 76.2 mm x 6.35 mm
3200ST007	Ge (99.999%)	Ø 101.6 mm x 3.175 mm
3200ST008	Ge (99.999%)	Ø 101.6 mm x 6.35 mm
3200STDZ	Ge (99.999%)	Customized

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2. Chemical compositions

	Metal impurities (ppm)					
Element / Typical Value / Purity	Ni	Al	Fe	Bi	As	Cd
99.999%	≤ 1.0	≤0.5	≤ 2.0	≤ 2.0	≤ 2.0	≤ 1.0

Note: The purity values shown are calculated by subtracting the sum of selected measured elemental impurities from 100%. These values do not represent the result of a full elemental analysis.

3. Packaging

Bottled/Bag.
Double vacuum packed.
Custom packaging is available.

4. Period of Validity

It is recommended to use this product within 12 months. If it is overdue, the product quality status should be re-evaluated.

5. Handling and Storage

When using, wear clean gloves and operate in a dry and contamination-free environment to avoid surface damage and impurity contamination.

Store in a sealed vacuum or inert gas package in a cool, dry environment away from moisture and corrosive substances.

Contact Us

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